

## SEQUENCE LISTING

<110> O'Keefe, Theresa  
Rao, Pat

<120> HYBRID ANTIBODIES AND USES THEREOF

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<150> 60/265,914

<151> 2001-02-02

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Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr

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 <212> PRT  
 <213> Rattus norvegicus

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 Gly Val Pro Asp Arg Phe Ser Gly Ser Ile Asp Arg Ser Ser Asn Ser  
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<220>  
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 Asp Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys  
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 Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn  
 20 25 30  
 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val  
 35 40 45

2008-04-20 14:00:00

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Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
  50                      55                      60
Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
  65                      70                      75                      80
Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
                      85                      90                      95
Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
          100                      105                      110

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<221> CDS

<222> (1)...(330)

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aca gtc att att tct tgc aca ctc agc tct ggt aac ata gaa aac aac      96
Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
          20                      25                      30

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tat gtg cac tgg tac cag caa agg ccg gga aga gct ccc acc ctc gtg      144
Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
          35                      40                      45

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att ttc gat gat gat aag aga ccg gat ggt gtc cct gac agg ttc tct      192
Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
  50                      55                      60

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ggc tcc att gac agg tct tcc aac tca gcc tcc ctg aca atc agt ggt      240
Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
  65                      70                      75                      80

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ctg caa act gaa gat gaa gct gac tac tac tgt cat tct tat gtt agt      288
Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
          85                      90                      95

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agt ttt aat gtt ttc ggc ggt gga aca aag ctc act gtc ctt      330
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<210> 17

<211> 119

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<213> Rattus norvegicus

<400> 17

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 Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val  
                     35                      40                      45  
 Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val  
                     50                      55                      60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr  
 65                      70                      75                      80  
 Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys  
                     85                      90                      95  
 Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly  
                     100                      105                      110  
 Thr Thr Val Thr Val Ser Ser  
                     115

<210> 18

<211> 357

<212> DNA

<213> Rattus norvegicus

<220>

<221> CDS

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                     1                      5                      10                      15

tcc atg aaa ctc tcc tgt gca gcc tca gga ttc act ttc agt agc ttt                      96  
 Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe  
                     20                      25                      30

cca atg gcc tgg gtc cgc cag gct cca aag aag ggt ctg gag tgg gtc                      144  
 Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val  
                     35                      40                      45

gca acc att agt act agt ggt ggt aga act tac tat cga gac tcc gtg                      192  
 Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val  
                     50                      55                      60

aag ggc cga ttc act atc tcc aga gat aat ggg aaa agc atc cta tac                      240  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr  
                     65                      70                      75                      80

ctg caa atg aat agt ctg agg tct gag gac acg gcc act tat tac tgt                      288  
 Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys  
                     85                      90                      95

tca aga ttt cgg cag tac agt ggt ggc ttt gat tac tgg ggc caa ggg                      336  
 Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly  
                     100                      105                      110

acc acg gtc acc gtc agc tca                      357  
 Thr Thr Val Thr Val Ser Ser  
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 <212> DNA  
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<210> 25  
 <211> 310  
 <212> PRT  
 <213> Homo sapiens

<400> 25  
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 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser  
 35 40 45  
 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser  
 50 55 60  
 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr  
 65 70 75 80  
 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys  
 85 90 95  
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys  
 100 105 110  
 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro  
 115 120 125  
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys  
 130 135 140  
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp  
 145 150 155 160  
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu  
 165 170 175  
 Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu  
 180 185 190  
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn  
 195 200 205  
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly  
 210 215 220  
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu  
 225 230 235 240  
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr  
 245 250 255  
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn  
 260 265 270  
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe  
 275 280 285  
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Lys Ser Leu  
 290 295 300  
 Ser Leu Ser Pro Gly Lys  
 305 310

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 <212> DNA  
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 <222> (1)...(990)

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48

agc acc tct ggg ggc aca gcg gcc ctg ggc tgc ctg gtc aag gac tac  
 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr  
 20 25 30

96

20050714-013002

ttc ccc gaa ccg gtg acg gtg tcg tgg aac tca ggc gcc ctg acc agc	144
Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser	
35 40 45	
ggc gtg cac acc ttc ccg gct gtc cta cag tcc tca gga ctc tac tcc	192
Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser	
50 55 60	
ctc agc agc gtg gtg acc gtg ccc tcc agc agc ttg ggc acc cag acc	240
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr	
65 70 75 80	
tac atc tgc aac gtg aat cac aag ccc agc aac acc aag gtg gac aag	288
Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys	
85 90 95	
aaa gtt gag ccc aaa tct tgt gac aaa act cac aca tgc cca ccg tgc	336
Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys	
100 105 110	
cca gca cct gaa ctc ctg ggg gga ccg tca gtc ttc ctc ttc ccc cca	384
Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro	
115 120 125	
aaa ccc aag gac acc ctc atg atc tcc cgg acc cct gag gtc aca tgc	432
Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys	
130 135 140	
gtg gtg gtg gac gtg agc cac gaa gac cct gag gtc aag ttc aac tgg	480
Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp	
145 150 155 160	
tac gtg gac ggc gtg gag gtg cat aat gcc aag aca aag ccg cgg gag	528
Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu	
165 170 175	
gag cag tac gcc agc acg tac cgt gtg gtc agc gtc ctc acc gtc ctg	576
Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu	
180 185 190	
cac cag gac tgg ctg aat ggc aag gag tac aag tgc aag gtc tcc aac	624
His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn	
195 200 205	
aaa gcc ctc cca gcc ccc atc gag aaa acc atc tcc aaa gcc aaa ggg	672
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly	
210 215 220	
cag ccc cga gaa cca cag gtg tac acc ctg ccc cca tcc cgg gat gag	720
Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu	
225 230 235 240	
ctg acc aag aac cag gtc agc ctg acc tgc ctg gtc aaa ggc ttc tat	768
Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr	
245 250 255	



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